

Amendments to the Claims:

This following listing of claims will replace all prior versions and listings of claims in the application.

Listing of claims:

1. (Currently Amended) A bone fixation device comprising:

an intramedullary pin having a longitudinal axis and at least one transverse borehole defining a central borehole axis, the central borehole axis forming a non-zero angle with respect to the longitudinal axis;

a bone fixation implant having a front end configured and adapted to engage bone, a rear end, a shaft, and a first elastically expandable sheath formed at the front end of the bone fixation implant, the bone fixation implant adapted for insertion through the transverse borehole along the central borehole axis, wherein the expandable sheath of the bone fixation implant is configured and adapted for optional expansion in at least one direction transverse to the central borehole axis after the bone fixation implant has been anchored in bone, and at least a portion of the shaft remains within the transverse borehole of the intramedullary pin after the bone fixation implant has been anchored in bone ~~Device for fixing bones with~~

~~A) an intramedullary pin (1) with at least one transverse borehole (2) with a central axis (3) and~~

~~B) a bone fixation agent (4) with a front end (6) and a rear end (5) intended for introducing the medullary pin (1) into the transverse borehole (2), characterized in that~~

~~C) the bone fixation agent (4) can be expanded elastically.~~

2. (Currently Amended) The device of claim 1, wherein optional expansion of the sheath changes the cross-sectional shape of at least a portion of the bone fixation implant to impede rotation of the implant relative to the bone characterized in that the bone fixation agents (4) include a central axis (3), a cylindrical all prismatic shaft (18) coaxial at the rear end (5) and a sheath (7), which can be expanded elastically, coaxially at the front end (6).

3. (Currently Amended) A bone fixation device comprising:

an intramedullary pin having a longitudinal axis and at least one transverse borehole defining a central borehole axis, the central borehole axis forming a non-zero angle with the longitudinal axis;

a bone fixation implant having a front end configured and adapted to engage bone, a rear end, a cylindrical shaft, and a first elastically expandable sheath formed at the front end of the bone fixation implant, the bone fixation implant adapted for insertion through the transverse borehole along the central borehole axis,

wherein the bone fixation implant further includes a ~~The device of claim 2, characterized in that~~ a second, expandable sheath (25) is disposed on the first sheath (7) coaxially with the central borehole axis (3).

4. (Currently Amended) ~~The device of claims claim 1 2 or 3, characterized in that wherein~~ the sheath (7) is formed of ~~produced from a metal, preferably from titanium.~~

5. (Currently Amended) ~~The device of claims claim 3 or 4, characterized in that wherein~~ the second sheath (25) is formed of ~~produced from a plastic, preferably from an elastomer.~~

6. (Currently Amended) ~~The device of claim 3 5, characterized in that wherein~~ the second sheath (25) is sprayed onto the first sheath, (7)

7. (Currently Amended) ~~The device of one of the claims claim 3 to 5, characterized in that wherein~~ the second sheath (25) can be pressed onto the first sheath (7).

8. (Currently Amended) ~~The device of one of the claims claim 3 to 5, characterized in that wherein~~ the second sheath (25) can be screwed onto the first sheath (7).

9. (Currently Amended) ~~The device of one of the claims claim 3 to 5, characterized in that wherein~~ the second sheath (25) can be glued onto the first sheath (7).

10. (Currently Amended) ~~The device of one of the claims claim 1 2 to 9, characterized in that wherein~~ the shaft (18) and the sheath (7) of the bone fixation implant are axially joined to one another prior to insertion through the transverse borehole ~~separate parts, which can be connected coaxially with one another.~~

11. (Currently Amended) The device of ~~one of the claims~~ claim 1 to 10, ~~characterized in that it further comprising includes~~ a rotation safeguard (24), configured and adapted to prevent rotation of the bone fixation implant relative to the intramedullary pin about the central borehole axis by means of which the bone fixation agents (4) can be fixed in the transverse borehole (2) of the medullary pin (1) so that they cannot rotate about the central axis (3).

12. (Currently Amended) The device of claim 1 ~~one of the claims 2 to 11~~, further comprising an external thread formed on the first sheath ~~characterized in that the sheath (7) has an external thread (9).~~

13. (Currently Amended) The device of claim 1 ~~of one of the claims 2 to 11~~, wherein the first end of the bone fixation implant ~~characterized in that the sheath (7) is configured as a blade (26).~~

14. (Currently Amended) The device of claim 1 ~~one of the claims 3 to 13~~, ~~characterized and that the~~ further comprising a second expandable sheath disposed on the first sheath coaxially with the central borehole axis ~~has an external thread.~~

15. (Currently Amended) The device of ~~one of the claims~~ claim 1 3 to 13, ~~characterized in that wherein~~ the second sheath (25) is constructed as a blade.

16. (Currently Amended) The device of ~~one of the claims~~ claim 1 to 15, ~~characterized in that it includes wherein the bone fixation implant further includes an expansion agent agents (8);~~ movable along the central borehole axis to selectively expand the first sheath ~~which can be moved coaxially with the transverse borehole (2).~~

17. (Currently Amended) The device of claim 16, ~~characterized and that wherein~~ the expansion agent includes a cone tapering toward the rear end of the bone fixation implant agents (8) pass axially through the bone fixation agent (4) and, at the front end (6) of the bone fixation agents (4), have a cone (13), which tapers towards the rear end (5) of the bone fixation agents (4).

18. (Canceled)

19. (Currently Amended) The device of ~~one of the claims~~ claim 1 2 to 18, ~~characterized in that wherein~~ the shaft (18) can be connected with the first sheath (7) by means of a press fit.

20. (Currently Amended) The device of ~~one of the claim 16 to 19, characterized in that~~ wherein the expansion agent includes agents (8) can be shifted by means of a threaded connection between the shaft (18) and the expansion agent agents (8) coaxially with the central borehole axis (3).

21. (Currently Amended) The device of ~~one of the claims claim 16 to 19, characterized in that wherein the expansion agent includes agents (8) can be shifted coaxially with the central axis (3) by means of a threaded connection between the first sheath (7) and the expansion agent agents (8).~~

22. (Currently Amended) The device of ~~one of the claims claim 1 to 21, characterized in that wherein the device it includes additionally a second bone fixation implant (4).~~

23. (Currently Amended) A bone fixation implant comprising:
a longitudinal implant body having a first end configured and adapted to
engage bone, a second end, and a shaft defining a central longitudinal
axis;
a first expandable sheath formed at the first end of the implant body; and
a second expandable sheath disposed on the first sheath at the first end of the
implant body;

wherein the first and second expandable sheaths are configured and adapted for
optional expansion in at least one direction transverse to the central longitudinal axis
after the bone fixation implant has been anchored in bone. An elastically expandable
sheath (7), characterized in that it includes an external thread (9), a central borehole (11)
coaxial with the central axis (3) and a slot (24), the slot (24) passing through the sheath (7)
perpendicularly to the central axis (3) and penetrating into the sleeve (7) parallel to the central
axis (3).